PATENT COOPERATION TREATY

From the INTERNATIONAL BUREAU

PCT	То:
NOTIFICATION OF ELECTION (PCT Rule 61.2)	United States Patent and Trademark Office Washington, D.C.
Date of mailing: 02 March 1993 (02.03.93)	in its capacity as elected Office
International application Nc.: PCT/GB92/01416	Applicant's or agent's file reference: 38.58483
International filing date: 31 July 1992 (31.07.92)	Priority date: 01 August 1991 (01.08.91)
Applicant: GARDNER, Michael, Stuart	
1. The designated Office is hereby notified of its election made X in the demand filed with the International preliminary 17 February 19 in a notice effecting later election filed with the International preliminary 2. The election X was was not made before the expiration of 19 months from the priority design.	Examining Authority on: 93 (17.02.93) ational Bureau on:
	Authorized officer:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

I. Hours

Telephone No.: (41-22) 730.91.11

Facsimile No.: (41-22) 740.14.35



To:

From the INTERNATIONAL BUREAU

PCT

NOTIFICATION CONCERNING DOCUMENT TRANSMITTED

United States Patent and Trademark Office

Washington, D.C.

Date of mailing:

25 October 1993 (25.10.93)

in its capacity as elected Office

International application No.:

PCT/GB92/01416

International filing date:

31 July 1992 (31.07.92)

Applicant:

HAWKINS, Michael, Howard et al

The International Bureau transmits herewith the following documents and number thereof:

copy of the international preliminary examination report (Article 36(3)(a))

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland

Authorised officer:

P. Asseeff

Telephone No.: (41-22) 730.91.11

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Facsimile No.: (41-22) 740.14.35

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PATENT COOPERATION TREATY **PCT**

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

YMPO

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 38.58483			eference	For Further Action See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)		
	onal Appli 192/01416).	International Filing Date (day/month/year) 31 July 1	992	Priority Date (day/month/year) 1 August 1991
Internation	onal Paten	t Classific	cation (IPC) A01K 11	/00	-	
Applicar	at HAWK	INS, MI	CHAEL HOWARD	et al		
1.			preliminary examinatio		this Internation	al Preliminary Examining Authority and is
2.	This RE	PORT co	nsists of a total of 4 sh	neets.		
			•	nied by ANNEXES i.e., shee nation and/or containing recti		tion, claims and/or drawings amended during efore this Authority.
	These an	nexes con	sist of a total of sheet	ts.		Tue-
3.	This repo	ort contain	ns indications relating to	to the following items:		·
	I	×	Basis of the report		•	
	11		Priority			
	Ш		Non-establishment of	opinion with regard to novelt	y, inventive step	and industrial applicability
	ľV		Lack of unity of inver	ntion		,
	v	×		rith regard to novelty, inventi- tions supporting such statemen		rial applicability;
	VI		Certain documents cit	ted		
	VII	Ø	Certain defects in the	international application		
·	VIII Certain observations on the international application					-
Date of	submissio	n of the d	emand 17 February 19	993	Date of cor	npletion of this report 5 October 1993
Name ar	Name and mailing address of the IPEA The Patent Office Cardiff Road NEWPORT Authorized Officer K J Kennett					Officer K J Kennett

Telephone No 0633 814730

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Facsimile No

0633 814444

Form PCT/IPEA/409 (first sheet) (July 1992)

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No PCT/GB92/01416

I. Basi	I. Basis of the report					
1. This	report has been dra	nwn on the basis of:				
×	the international	application as originally filed.				
			.es.,* ~~			
	the description,	pages, as originally filed,	√			
	•	pages, filed with the demand,				
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		pages, and that are sense of	e ff. 1			
	the claims,	pages, as originally filed,				
	•	pages, as amended under Article 19, pages, filed with the demand,	سسور ⊶ شمعین			
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		pages, filed with the letter of	- 1-4.			
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21 ne	amendments have r	esulted in the cancellation of: pages: sheets of drawings No:	· · · · · · · · · · · · · · · · · · ·			
		-				
3. 🗆	This report has b	een established as if (some of) the amendments had not been made, since they had				
	beyond the disclo	osure as filed, as indicated in the Supplemental Box.	71 / 2000 71 / 2000 71 / 2000			
1 Add	itional observations	if necessary	· · · · · · · · · · · · · · · · · · ·			
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II. Pr	iority					
1.	This report has be	een established as if no priority had been claimed due to the failure to furnish with	hin the prescribed time			
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	Copy of the ear	rlier application whose priority has been claimed.	· 111			
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	translation of t	he earlier application whose priority has been claimed.				
			~			
2.	This report has been invalid.	en established as if no priority had been claimed due to the fact that the priority	claim has been found			
	Thus for the purpo	ses of this report, the international filing date indicated above is considered to be	the relevant date.			
Form Po	CT/IPEA/409 (secon	nd sheet) (July 1992)				

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No PCT/GB92/01416

v.	Reasoned statement under Article (12) with regard to novelty, inventive step or is trial applicability; citations and explanations supporting such statement				
1.	STATEMENT				
	Novelty (N)	claims 5 claims 1-4,6,7	YES NO		
	Inventive Step (IS)	claims 5 claims 1-4,6,7	YES NO		
	Industrial Applicability (IA)	claims 1-7	YES NO		

2. CITATIONS AND EXPLANATIONS

Claims 1-4, 6 and 7 do not meet the requirement of novelty having regard to the matter disclosed in EP 0004221; US 4402320 and US 4368735 cited in the International Search Report since the specifications describe animal ear tag applicators having elongate tag engagement means pivotally connected to one end of a jaw member.

Claim 5 meets the requirements of novelty and inventive step in that the features defined in the claim are neither disclosed nor suggested in the cited prior art.

INTERNATIONAL PRELIN	EINARY E	CONTAMINATION	REPORT
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International Application No PCT/GB92/01416

VII.	Certain	defects	in the	interna	tione
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The following defects in the form or contents of the international application have been noted:

Claim 8 does not comply with Rule 6.2(a) since it relies on a reference to the description and/or drawings.

Form PCT/IPEA/409 (seventh sheet) (July 1992)

PCT





INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5:
A01K 11/00
A1
(11) International Publication Number: WO 93/02549
(43) International Publication Date: 18 February 1993 (18.02.93)

(21) International Application Number: PCT/GB92/01416

(22) International Filing Date: 31 July 1992 (31.07.92)

(30) Priority data: 239223 1 August 1991 (01.08.91) NZ

(71) Applicant (for all designated States except US): HAWKINS, Michael, Howard [GB/NZ]; 33a Birdwood Crescent, Parnell, Auckland 1001 (NZ).

(72) Inventor; and
(75) Inventor/Applicant (for US only): GARDNER, Michael, Stuart [NZ/NZ]; 108 Waiatarua Road, Remuera, Auckland 1005 (NZ).

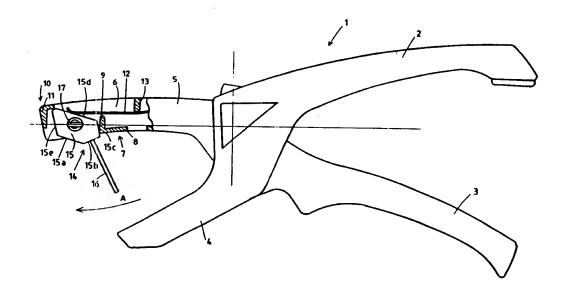
(74) Agent: FRANK B. DEHN & CO.; Imperial House, 15-19 Kingsway, London WC2B 6UZ (GB).

(81) Designated States: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG).

Published

With international search report.

(54) Title: EAR TAG APPLICATOR



(57) Abstract

The invention relates to an applicator for use on livestock such as cattle, sheep, deer and the like. The applicator includes at least two pivotedly connected handle members (2, 3) which extend into upper and lower jaws (4, 5). A driving means (14) comprising a five sided body portion and elongate tag engagement (16) means to which an ear tag can be attached which are pivotally connected to the upper jaw member (5). There is also provided a biasing means (12) which is in constant contact with one side of the body portion and is used in conjunction with a restraining means (7) to ensure that the tag engagement means (16) is maintained in a downwardly pointing "cocked" position during application of an ear tag. Upon insertion of the ear tag through the animal's ear, the tag engagement means (16) can be pivoted into a second "spent" position to facilitate easy detachment of the applicator from the ear tag. The orientation of the tag engagement means (16) being determined by the combined effect of the restraining means (7, 11) biasing means (12) and load placed on the tag engagement means (16) itself.



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INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International Patent Classification 5:

A01K 11/00

(11) International Publication Number: WO 93/02549

A1 (43) International Publication Date: 18 February 1993 (18.02.93)

(21) International Application Number:

PCT/GB92/01416

(22) International Filing Date:

31 July 1992 (31.07.92)

(30) Priority data:

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1 August 1991 (01.08.91)

NZ

(71) Applicant (for all designated States except US): HAWKINS, Michael, Howard [GB/NZ]; 33a Birdwood Crescent, Parnell, Auckland 1001 (NZ).

(72) Inventor; and

(75) Inventor/Applicant (for US only): GARDNER, Michael, Stuart [NZ/NZ]; 108 Waiatarua Road, Remuera, Auckland 1005 (NZ).

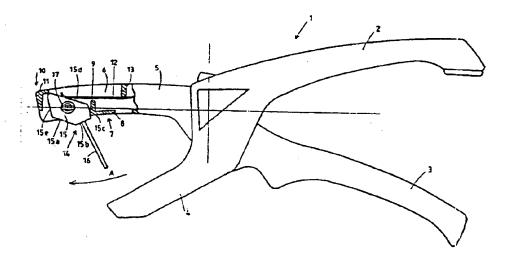
(74) Agent: FRANK B. DEHN & CO.; Imperial House, 15-19 Kingsway, London WC2B 6UZ (GB).

Designated States: AT, AU, BB, BG, BR, CA, CH, CS, DE, DK, ES, FI, GB, HU, JP, KP, KR, LK, LU, MG, MN, MW, NL, NO, PL, RO, RU, SD, SE, US, European patent (AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LU, MC, NL, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, SN, TD, TG).

Published

With international search report.

(54) Title: EAR TAG APPLICATOR



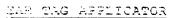
(57) Abstract

The invention relates to an applicator for use on livestock such as eartle, sheep, deer and the like. The applicator includes at least two pivotedly connected handle members (2, 3) which extend into upper and lower jaws (4, 5). A driving means (14) comprising a five sided body portion and elongate tag engagement (16) means to which an ear tag can be attached which are pivotally connected to the upper jaw member (5). There is also provided a biasing means (12) which is in constant contact with one side of the body portion and is used in conjunction with a restraining means (7) to ensure that the tag engagement means (16) is maintained in a downwardly pointing "cocked" position during application of an ear tag. Upon insertion of the car tag through the animal's ear, the tag engagement means (16) can be pivoted into a second "spent" position to facilitate easy detachment of the applicator from the ear tag. The orientation of the tag engagement means (16) being determined by the combined effect of the restraining means (7, 11) biasing means (12) and load placed on the tag engagement means (16) itself.

PCT/GB92/01416

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The present invention relates to an improved ear tag applicator.

More particularly, the present invention relates to an improved applicator for applying ear tags to animals whereby the ear tag engagement means is locked until the tag is inserted and whereupon it pivots away from the applicator upon insertion of the tag.

To the present time a wide range of ear tag applicators have been known. These generally consist of 10 a pliers type of applicator, often of the trocar type, which usually involves a hand held appliance whereby in use a pin or blade pierces the animal's ear and then draws through the head of the ear tag. applicators the manner in which the blade or pin is 15 positioned and directed is important. Prior art applicators have used a variety of means to achieve this including a relatively complex slidingly movable element within a housing as found in New Zealand Patent Specification No. 205008. Other applicators have 20 utilised the use of mechanical retention means to keep the blade or pin in position prior to, during or after insertion of the ear tag.

The aforesaid applicators have tended to be complex and/or inefficient. It is an object of the present invention to address these difficulties.

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According to one broad aspect of the invention there is provided an applicator for an animal ear tag including at least two pivotally connected handle members extending into or being attached to first and second jaws, and a driving means comprising a body portion and elongate tag engagement means characterised in that the driving means is pivotally connected adjacent one end of the first jaw member to enable the driving means to pivot about and relative to its pivotal attachment to the first jaw member.

According to another broad aspect of the invention there is provided an applicator tool for applying an ear tag to an animal comprising actuating means connected to upper and lower jaw means the said jaw means being movable towards and away from each other, driving means comprising a body portion and elongate tag engagement means wherein the tag engagement means is pivotable and the load on the tag engagement means is located below the point of pivot thereby restraining said tag engagement means in a first position and whereby said tag engagement means is pivotable away from the applicator to a second position once the ear tag has been applied to the animal.

In a preferred form of the invention the tag engagement means comprises a pin which in its first position is substantially diagonal to the upper and lower jaw means and is pivotable so as to lie in substantially the same plane as the upper jaw means upon insertion of an ear tag.

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The driving means preferably consists of a body portion movable about a pivot wherein the said movement is determined by restraining means located around the said body portion and wherein blasing means assists to restrain the said driving means in a first position.

Further objects of the invention will become apparent from the following description which is given by way of example only of a preferred embodiment of the invention. Reference is made to the accompanying drawings wherein:

Figure 1: is a side elevational view of a preferred form of the applicator tool according to the invention showing the driving means in a "cocked" position and showing part of the upper jaw means partially cut away;

Figure 2: is again a partially cut away view of the applicator tool of Figure 1 showing the driving means in a "spent" position;

<u>Piqure 3</u>: is a diagrammatic side elevational view of an applicator tool of Figure 1 to illustrate the insertion of a one piece ear tag - prior to insertion of the ear tag;

Figure 4: shows the insertion of the ear tag using the applicator shown in Figure 3 upon insertion of the ear tag through an animal's ear;

Pigure 5: is an ear tag applicator as shown in Pigure 1 illustrated with a two piece ear tag;

Figure 6: shows the applicator and ear tag of Pigure 5 upon insertion of the ear tag through an animal's ear.

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The applicator and the pursuent invention may be constructed according to the pliers type of applicator tool, as embodied in existing applicator tools. In Figure 1, the applicator tool is referenced by Arrow 1. It has actuating means comprising upper handle 2 and lower handle 3. Upper handle 2 is integrally formed with lower jaw 4 and lower handle 3 is integrally formed with upper jaw 5. It will be appreciated that upon the closing of handles 2 and 3, upper jaw 5 and lower jaw 4 will be movable towards each other, and vice versa.

The cut away portion of upper jaw 5 discloses a hollow interior 6 within which are positioned various restraining means. The first is an "L" shaped

15 restraining means 7 comprising an elongate base 8 and upstand 9. The other restraining means comprises an inverted "L" shaped restraining means 10 wherein the upstand 11 is substantially vertical.

The applicator tool has a biasing means 12 which is kept in tension by means of spacer 13.

The apparatus has a driving means 14 comprising a body portion 15 ,tag engagement means 16 and centrally located pivot 17.

It will be seen that body portion 15 has five sides

- 15a, which in the "cocked" position in which the

driving means is located in Figure 1, points

downwardly, 15b to which is attached tag engagement

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means 16, side 150 which about against restraining means 7, side 150 which is in aboutment with the free end of biasing means 12 and 150 which points towards the front of the applicator rool.

In the present position, for convenience referred to as the "cocked" position the driving means is netained in position by restraining means 7 and biasing means 12. When an ear tag is loaded onto the tag engagement means, which in a preferred embodiment is pin shaped, the driving means will be retained in "cocked" position by virtue of the fact that the tag engagement means is located rearward and below of the point of pivot. This means that a minimal biasing of biasing means 12 is required to keep the pin in the "cocked" position.

As an illustration of the manner of operation of the applicator tool reference is made to Figures 3 and 4 wherein a one piece ear tag is shown to be applied. The ear tag 18 is shown to have a body portion 19 and pointed head 20. Figure 1 shows the applicator tool with the upper jaw 5 and lower jaw 4 in an open position and with the driving means in a "cocked" position. Figure 4 shows the driving means still in a "cocked" position but with the sharpened head 20 having pierced an animal's ear 21.

Figures 5 and 6 illustrate the applicator tool applying a two piece ear tag wherein the male portion of

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the ear tag 22 is attached to the tag engagement means (not shown) and wherein the female portion of the ear tag 23 is attached to a tag holder means 24 spring loaded onto lower jaw 4.

Figure 6 shows the same ear tag having pierced an animal's ear 21.

In all the above cases the driving means remains in a "cocked" position. It will be seen that upon completion of the above steps both handles 2 and 3 and 10' jaws 4 and 5 will be in a closed position. Upon insertion of the tag through the animal's ear (or other skin) the tag engagement means will need to be removed from the ear tag/ear. This may be achieved by pulling the applicator tool away from the animal's ear or alternatively by the animal itself pulling away from the applicator tool.

Upon this occurring the tag engagement means 16
will pivot in the direction of arrow A. That is, from a
substantially vertical to a substantially horizontal

20 position as illustrated by position B of Figure 2. In
this position, conveniently referred to as the "spent"
position, the sides of body portion 15 will be located
as follows: 15a will be positioned upwardly and
forwardly, 15b forwardly, 15c downwardly, 15d downwardly

25 and rearwardly and 15e would be restrained by means of
the restraining means 12. Further travel would be

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prevented by tag sugargement stame 10 striking the lower portion of restraining asan. 11.

It will be appreciated from the above that the tag engagement means of the present invention has a first "cocked" position and a second "spent" position, with the position being determined by the combined effect of the restraining means, biasing means and load placed on the tag engagement means itself. It will be seen that the movement of the driving means from the substantially vertical "cocked" position to the substantially 10 horizontal "spent" position may be relatively simply and efficiently achieved with a minimum of movement and moving parts. This provides for a applicator tool having enhanced performance characteristics and one which provides greater ease of use for the person 15 applying ear tags.

It will also be appreciated that the positioning of the tag engagement means is determined by a combination of factors as opposed to a specific restraining means which holds the body portion or tag engagement means in a fixed position until the tag is inserted.

Where in the foregoing description reference has been made to specific components or integers of the invention having known equivalents then such equivalents are herein incorporated as if individually set forth.

Although this invention has been described by way of example and with reference to possible embodiments

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thereof it is to be understood that modifications or improvements may be made thereto without departing from the scope or spirit of the invention.

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CLAIMS

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- 1. An applicator for an animal ear tag including at least two pivotally connected handle members extending into or being attached to first and second jaws, and a driving means comprising a body portion and elongate tag engagement means characterised in that the driving means is pivotally connected adjacent one end of the first jaw member to enable the driving means to pivot about and relative to its pivotal attachment to the first jaw member.
- 2. An applicator as claimed in claim 1 characterised in that during application of an ear tag the load on the tag engagement means is located behind the point of pivot thereby restraining said tag engagement means in a first position and whereby said tag engagement means is pivotable away from the applicator to a second position once the ear tag has been applied to the animal or upon cessation of movement of the first jaw member, relative to the second jaw member.
- 3. An applicator as claimed in claims 1 or 2

 characterised in that the tag engagement means comprises a pin which in its first position is substantially diagonal to the upper and lower jaw means and is pivotable so as to lie in

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substantially the same axis as the upper jaw means upon insertion of an ear tag.

- 4. An applicator as claimed in any one of the preceding claims characterised in that the movement of the driving means about the point of pivot is determined by restraining means located around said body portion and wherein biasing means assist to restrain the said driving means in a first position.
- 5. An applicator as claimed in claim 4
 characterised in that the body
 portion of said driving means is polygonal in shape
 and wherein the biasing means is in contact with at
 least part of the length of one of the sides of the
 body portion so as to restrain the said driving
 means in a predetermined position.
- 20 6. An applicator according to any one of the preceding claims characterised in that said second jaw member has formed within it a place to locate a second tag piece as required.
- 25 7. An applicator as claimed in any one of the preceding claims, wherein the handle members are pivotally connected one to the other; spring means

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being provided so that the handle members and jaws are spring biased into a position in which they are normally spaced apart from one another.

8. An applicator for a livestock ear tag as substantially described herein with reference to any one or more of the accompanying drawings.

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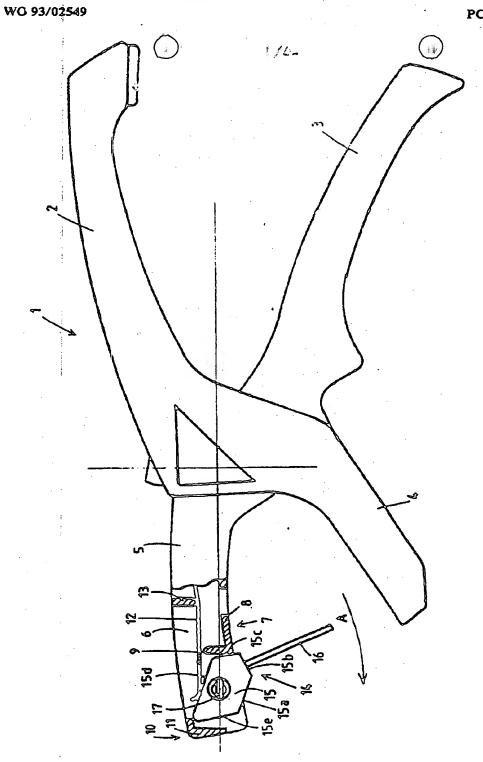
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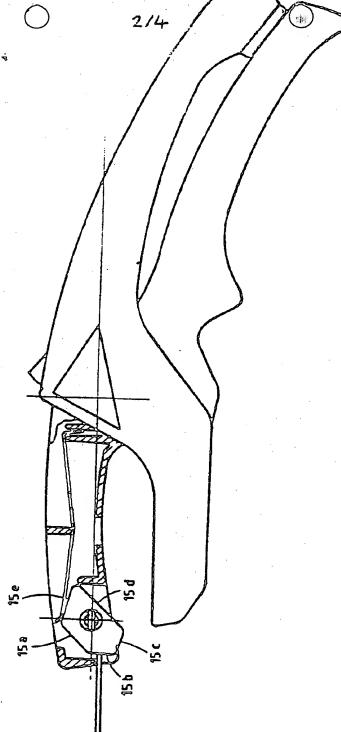


FIG. 2

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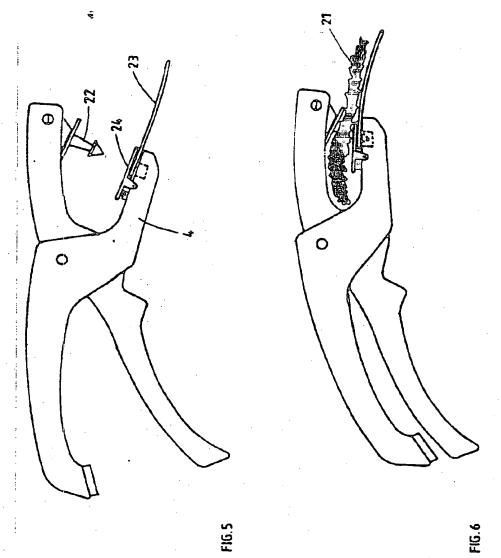
FIG.3

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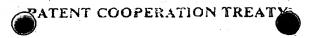
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	rom the INTERNATIONAL SE	ARCHING AUTHORIT	PCT	
	To: FRANK B. DEHN & CO. Imperial House 15-19 Kingsway		NOTIFICATION OF TRANSMITTA THE INTERNATIONAL SEARCH R OR THE DECLARATION	
	LONDON WC2B 6UZ UNITED KINGDOM	FILE 58 48	(PCT Rule 44.1)	*
		16 NOV 195 RECEIV	Dark of mailing	
	:	ANSDA	(22) month year)	
	Applicant's or agent's file reference 38.58483	<u> </u>	FOR FURTHER ACTION See paragraphs	l and 4 below
	International application No. PCT/GB92/01416		International filing date (day month year) 31/07/92	
ŀ	Applicant		. :	
	HAWKINS, Michael Howard	d et al.		,
	Filing of amendments and sta	tement under Article 19-	n report has been established and is transmitted her	ewith.
	When? The time limit for f international search	iling such amendments is norm report; however, for more de	nally 2 months from the date of transmittal of the tails, see the notes on the accompanying sheet.	
	1211 Gener	al Bureau of WIPO des Colombettes va 20, Switzerland Vo.: (41-22) 740.14.35		a sara Manak ana Manakan Manakan
Ì	For more detailed instructions	s, see the notes on the accomp	anying sheet.	
	2. The applicant is hereby notif Article 17(2)(a) to that effect	ied that no international search is transmitted herewith.	report will be established and that the declaration	under
	The protest together wi	th the decision thereon has bee	al fee(s) under Rule 40.2; the applicant is notified the transmitted to the International Bureau together	with the
	applicants's request to	forward the texts of both the g	crotest and the decision thereon to the designated O	ffices.
BUF C	#! ES	nade yet on the protest; the app at is reminded of the following:	licant will be notified as soon as a decision is made	
2/./a	Shortly after 18 months from the pr	riority date; the international appropriate received a notice the received and the received as provided	pplication will be published by the International Buse of withdrawal of the international application, or in Rules 90bis.1 and 90bis.3, respectively, before the	oi me
4 1/9	Witten 19 months from the priority wishes to postpone the entry into	date, a demand for internation the national phase until 30 me	nal preliminary examination must be filed if the appoints from the priority date (in some Offices even l	iicant ater).
	Within 20 months from the priority before all designated Offices which because they are not bound by C	h have not been elected within	rm the prescribed acts for entry into the national pi 19 months from the priority date or could not be e	nase lected
	Name and mailing address of the Into European Patent Office, NL-2280 HV Rijswijk Tel. (+31-70) 360-2040,	P.B. 5818 Patentiaan 2	Authorized officer Alfredo Prein	
	Fax: (+31-70) 340-3016	• •		

Form PCT/ISA/220 (July 1992)





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NOTES TO FORM PCT/ISA/220

These notes are intended to give the basic instructions concerning the filing of amendments under article 19. The Notes are based on the requirements of the Patent Cooperation Treaty and of the Regulations and the Administrative Instructions under that Treaty. In case of discrepancy between these is ones and those requirements, the latter are applicable. For more detailed information, see also the PCT Applicant's Guide, a publication of WIPO.

In these notes, "Article", "Rule", and "Section" refer to the provisions of the PCT, the PCT Regulations and the PCT administrative instructions respectively.

INSTRUCTIONS CONCERNING AMENDMENTS UNDER ARTICLE 19

The applicant has, after having received the international search report, one opportunity to amend the claims of the international application. It should however be emphasized that, since all parts of the international application (claims, description and drawings) may be amended during the international preliminary examination procedure, there is usually no need to file amendments of the claims under Article 19 except where, e.g. the applicant wants the latter to be published for the purposes of provisional protection or has another reason for amending the claims before international poulication. Furthermore, it should be emphasized that provisional protection is available in some States only.

What parts of the international application may be amended?

The claims only.

The description and the drawings may only be amended during international preliminary examination under Chapter II.

When?

Within 2 months from the date of transmittal of the international search report or 16 months from the priority date, whichever time limit expires later. It should be noted, however, that the amendments wil be considered as having been received on time if they are received by the International Bureau after the expiration of the applicable time limit but before the completion of the technical preparations for international publication (Rule 46.1).

Where not to file the amendments?

The amendments may only be filed with the International Bureau and not with the receiving Office or the International Searching Authority (Rule 46.2).

Where a demand for international preliminary examination has been/is filed, see below.

How?

Either by cancelling one or more entire claims, by adding one or more new claims or by amending the text of one or more of the claims as filed.

A replacement sheet must be submitted for each sheet of the claims which, on account of an amendment or amendments, differs from the sheet originally filed.

Aff the claims appearing on a replacement sheet must be numbered in Arabic numerals. Where a claim is cancelled, no renumbering of the other claims is required. In all cases where claims are renumbered, they must be renumbered consecutively (Administrative Instructions, Section 205(b)).

What documents must/may accompany the amendments?

Letter (Section 205(b)):

The amendments must be submitted with a letter.

The letter will not be published with the international application and the amended claims. It should not be confounded with the "Statement under Article 19(1)" (see below, under "Statement under Article 19(1)").

The letter must indicate the differences between the claims as filed and the claims as amended. It must, in particular, indicate, in connection with each claim appearing in the international application (it being understood that identical indications concerning several claims may be grouped), whether

- (i) the claim is unchanged;
- (ii) the claim is cancelled;
- (iii) the claim is new;
- (iv) the claim replaces one or more claims as filed;
- (v) the claim is the result of the division of a claim as filed.





NOTES TO FORM PCT/ISA/220 (continued)

The following examples illustrate the manner in which intendinents must be explained in the accompanying letter:

- [Where originally there were 48 claims and after amendment of some claims there are 51];
 "Claims 1 to 29, 31, 32, 34, 35, 37 to 48 replaced by amended claims hearing the same numbers;
 Claims 30, 33 and 36 unchanged; new claims 49 to 51 added."
- [Where originally there were 15 claims and after amendment of all claims there are 11]: "Claims 1 to 15 replaced by amended claims 1 to 11."
- 3. [Where originally there were ...4 claims and the amendments consist in cancelling some claims and in adding new claims]: "Claims 1 to 6 and 14 unchanged; claims 7 to 13 cancelled; new claims 15, 16 and 17 added." or "Claims 7 to 13 cancelled; new claims 15, 16 and 17 added."
- 4. [Where various kinds of amendments are made! "Claims 1-10 unchanged; claims 11 TO 13, 18 and 19 cancelled; claims 14, 15 and 16 replaced by amended claim 14; claim 17 subdivided into amended claims 15, 16 and 17; new claims 20 and 21 added."

"Statement under article 19(1)" (Rule 46.4)

The amendments may be accompanied by a statement explaining the amendments and indicating any impact that such amendments might have on the description and the drawings which cannot be amended under Article 19(1).

The statement will be published with the international application and the amended claims.

The statement should be brief, it should not exceed 500 words if in English or if translated into English.

It should not be confouded with and does not replace the letter indicating the differences between the claims as filed and as amended. It must be filed on a separate sheet and must be identified as such by, a heading, preferably by using the words "Statement under Article 19(1)."

It should not contain any disparaging comments on the international search report or the relevance of citations contained in that report. Reference to citations, relevant to a given claim, contained in the international search report may be made only in connection with an amendment of that claim.

In what language?

The amendments must be made in the language in which the international application is published. The letter and any statement accompanying the amendments must be in the same language as the international application if that language is English of French; otherwise, it must be in English or French, at the choice of the applicant?

Consequence if a demand for international preliminary examination has already been filed?

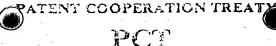
If, at the time of filing any amendments under Article 19, a demand for international preliminary examination has already been submitted, the applicant must preferably, at the same time of filing the amendments with the International Bureau, also file a copy of such amendments with the International Preliminary Examining Authority (see Rule 62.2(a), first sentence).

Consequence with regard to translation of the international application for entry into the national phase?

The applicant's attention is drawn to the fact that, where upon entry into the national phase, a translation of the claims as amended under Article 19 may have to be furnished to the designated/elected Offices, instead of, or in addition to, the translation of the claims as filed.

For further details on the requirements of each designated/elected Office, see Volume II of the PCT Applicant's Guide.

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(PCT Article 18 and Rules 43 and 44)

INTERNATIONAL SEARCH REPORT

				- Desert
Applicant's or agent's file reference	FOR FURTHER ACTION	see Notification of (Form PCT/ISA/2	Transmittal of International Seat 220) as well as, where applicable, i	tem 5 below.
International application No.	International filing date(date	vimonth(vece)	(Earliest) Priority Date (day/mo	nth/year)
international application No.	The menonal ming care	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	(SE Hearly 1 Hearley 2 have (
PCT/GB92/01416	31/07/92		01/08/91	
Applicant			•	· •
HAWKINS, Michael Howard et	· al			
MARTINO, MICHAEL HORALG E			<u></u>	
			- in and is transmitted to the next	licant
This international search report has been according to Article 18. A copy is being t	prepared by this internation	ai Searching Auchd al Bureau.	only and is transmitted to the app	
according to Article 16. A copy is being t	a Billitted to the Internation	a Datons.		
				A Company
This international search report consists	of a total of 3	sheets.		
X It is also accompanied by a cop	v of each prior art document	cited in this repor	·t.	
	,	•	* .	
			•	
1. Certain claims were found unsea	erhable (see Box I)		• •	
I. L. Cutam chang were round and	demoit (see Box 1).		•	,
		•		
2. Unity of invention is lacking (see	Box II).		•	
	•			
3. The international application co	ntains disclosure of a nucleut	ide and/or amino :	acid sequence listing and the	·
international search was carried	out on the basis of the seque	ence listing		
·	i with the international applic			
,				
fur	nished by the applicant separa			
	but not accompanied by	y a statement to th	e effect that it did not include	
	matter going beyond th	e disclosure in the	international application as filed.	
	•			
	inscribed by this Authority			
i				
!				
4 7754	text is approved as submitte	d by the applicant	•	'
	• •	•		
the	text has been established by	this Authority to	read as follows:	* .
1	•			
	_			•
,				•
S. With regard to the abstract,				
the	text is approved as submitte	d by the applicant		
V the	text has been established, ac-	cording to Rule 38	3.2(b), by this Authority as it appe	ears in
LX Bo	x III. The applicant may, wit	hin one month fro	3.2(b), by this Authority as it appoint the date of mailing of this inter	rnational
sea	rch report, submit comments	s to this Authority		
6. The figure of the drawings to be put	liched with the abetract ic-			•
1 <u> </u>				t- Course
Figure No. 1 X as	suggested by the applicant,		None of t	ue tigores.
be	cause the applicant failed to s	uggest a ligure.		
	and the Farmer Street of			
bec	cause this figure better charac	terizes the inventi	en.	
L				

Form PCT/ISA/210 (first sheet) (July 1992)

B445776210

PCT/GB92/01416

INTERNATIONAL BEARCH REPORT

B. All TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The invention relates to an applicator for use on livestock such as cattle, sheep, deer and the like. The applicator includes at least two pivotedly connected handle members (2,3) which extend into upper and lower jaws (4,5). A driving means (14) comprising a five sided body portion and elongate tag engagement (16) means to which an ear tag can be attached which are pivotally connected to the upper jaw member (5). There is also provided a biasing means (12) which is in constant contact with one side of the body portion and is used in conjunction with a restraining means (7) to ensure that the tag engagement means (16) is maintained in a downwardly pointing "cocked" position during application of an ear tag. Upon insertion of the ear tag through the animal's ear, the tag engagement means (16) can be pivoted into a second "spent" position to facilitate easy detachment of the applicator from the ear tag. The orientation of the tag engagement means (16) being determined by the combined effect of the restraining means (7,11) biasing means (12) and load placed on the tag engagement means (16) itself.

Form PCT/ISA/210 (continuation of first : set (2)) (July 1992)

INTERNATIONAL SEARCH REPORT PCT/GB 92/01416

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I. CLASSIFICATIO	ON OF SUBJE	CT MATTER (if severa, disassificati	المنافعة عندالما والمالية المالية الما	
Acco. ", to Inter		Classification (IPC) or to both Nadel	al Cassingalion and IPC	
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II. FIELDS SEARC	CHED			
		Minimum Do	cumentation Scarched?	
Classification Syst	EB		Classification Symbols	
	 			
Int.Cl. 5		A01K ; B25B	•	
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			other than Minimum Documentation ents are Included in the Fields Searched ⁸	
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· · · · · · · · · · · · · · · · · · ·	 _	ED TO BE RELEVANT		
Category °	Citation of D	ocument, 11 with indication, where app	propriate, of the relevant passages 12	Relevant to Claim No.13
х		004 221 (S.A. NOE EL	EVAGE SERVICE)	1-4
· . [see cla	ember 1979 im 1; figures 1-4		
Х		402 320 (FILMER)		1-4
	see the	mber 1983 Whole document		
X	US, A, 4	368 735 (FILMER) ary 1983		1-4
		whole document	And the second s	
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^o Special categ	ories of cited A	Designation , 10	"T" later document published after the intern	ational filing date
	1	nneral state of the art which is not cular relevance	or priority date and not in conflict with t cited to understand the principle or theo	he application but
"E" earlier do	coment but put	cular relevance blished on or after the international	invention "X" document of particular relevance; the cia	
filing date	which may thr	on doubts on priority claim(s) or	cannot be considered novel or cannot be involve an inventive step	considered to
which is o	ited to establis	h the publication date of another reason (as specified)	"Y" document of particular relevance; the cia cannot be considered to involve an inven	imed invention
"O" document other me:		a oral disclosure, use, exhibition or	document is combined with one or more ments, such combination being obvious t	other such docu-
P document later than	published prio the priority d	r to the international filing date but ate ciaimed	in the art. "&" document member of the same patent fa	mily
IV. CERTIFICAT	non_			·
Date of the Actua	Completion of	the international Search	Date of Mailing of this international Sea	rch Report
J	23 OCT0	DBER 1992	1 2. 11. 92	
International Sear	ching Authorit	y	Signature of Authorized Officer	
1	EUROPE	EAN PATENT OFFICE	VON ARX V.U.	

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TO THE INTERNATIONAL SEARCH EPORT TERNATIONAL PATENT APPLICATION NO. GB SA

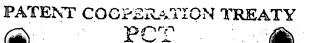
62675

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on The European Patent Office is in no way lattice for these particular, which are merely given for the purpose of information. 23/10/92

Patent document cited in search report	Publication date	1	Patent family toember(s)		Publicati	20
 EP-A-0004221	19-09-79	FR-A-	2423152	16-1		
US-A-4402320	06-09-83	US-A-	4368735	18-0	 1-83	
US-4-4368735	18-01-83	US-A-	4402320	06-09	 9-83	
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or a 38.58483	gent's file reference	For Further Action	See Notification Preliminary E	on of Transmittal of Interna xamination Report (Form P	tional CT/IPEA/416)
International Ap PCT/GB92/014	plication No. 16	r 1992	Priority Date 1 (day/month/year) 1 Aug	ust 1991	
International Pat	ent Classification (IPC) A0	1K 11/00	<u></u>		
Applicant HAW	Kins, Michael How	ARD ET AL		·	
1. This in transm	ternational preliminary examitted to the applicant accord	nination report has been prepared ing to Article 36.	by this Internation	nal Preliminary Examining	Authority and is
2. This R	EPORT consists of a total of	of 4 sheets.			
	This report is also acconnected international preliminary	companied by ANNEXES i.e., sh examination and/or containing rec	eets of the descri	ption, claims and/or drawin	gs amended durin
These	annexes consist of a total of	the state of the s		,,	
3. This re	port contains indications rel	ating to the following items:	7.		
I	Basis of the rep	ort		· ·	
π	Priority				
ш.	Non-establishm	ent of opinion with regard to nove	elty, inventive ste	p and industrial applicability	y
īv	Lack of unity o	f invention			
v	Reasoned states	nent with regard to novelty, inven planations supporting such statem	tive step or indus	trial applicability;	4
VI	Certain docume	nts cited			
VII	Certain defects	in the international application			
vui	Certain observa	tions on the international applicati	on		
Date of submissi	on of the demand 17 Febru	ary 1993	Date of co	mpletion of this reports Oc	tober 1993
Name and mailin	C ₁	ne Patent Office ardiff Road EWPORT	Authorized	Officer K J Kennett	
Facsimile No	A	went P9 1RH	Telephone	No 0633 814730	

INTERNATIONAL PRELIMINARY EXAMPLATION RUNORT

International Application No PCT/GB92/014

I. Basis	of the report	
1. This	report has been	drawn on the besis of:
	the internationa	al application as originally filed.
	the description	pages, filed with the demand,
		pages, filed with the letter of pages, filed with the letter of
	the claims,	pages, as originally filed, pages, as amended under Article 19, pages, filed with the demand, pages, filed with the letter of pages, filed with the letter of
	the drawings,	sheets, as originally filed, sheets, filed with the demand, sheets, filed with the letter of sheets, filed with the letter of
2. The	amendments have	e resulted in the cancellation of: pages: sheets of drawings No:
3. 🗆		s been established as if (some of) the amendments had not been made, since they have been considered to go closure as filed, as indicated in the Supplemental Box.
4. Add	itional obscrvatio	ns, if necessary:
	; ; ;	
	-	
•		
II. Pr	iority	
1. 🗆	This report has	been established as if no priority had been claimed due to the failure to furnish within the prescribed time ted:
	Copy of the	earlier application whose priority has been claimed.
÷	Translation o	f the earlier application whose priority has been claimed.
2.	invalid.	been established as if no priority had been claimed due to the fact that the priority claim has been found
orm PC	Thus for the pur	poses of this report, the international filing date indicated above is considered to be the relevant date.

INTERNATIONAL PRELEMINARY EXAMINATION PEPORT

International Application No PCT/GB92/07

ν,	easoned statement under Article 35(2) with regard to novelry, inventive step or industrial applicability;	
	itations and explanations supporting such statement	

1. STATEMENT

Novelty (N) claims 5 YES claims 1-4,6,7 NO

Inventive Step (IS) claims 5 YES claims 1-4,6,7 NO

Industrial Applicability (IA) claims 1-7 YES claims NO

2. CITATIONS AND EXPLANATIONS

Claims 1-4, 6 and 7 do not meet the requirement of novelty having regard to the matter disclosed in EP 0004221; US 4402320 and US 4368735 cited in the International Search Report since the specifications describe animal ear tag applicators having elongate tag engagement means pivotally connected to one end of a jaw member.

Claim 5 meets the requirements of novelty and inventive step in that the features defined in the claim are neither disclosed nor suggested in the cited prior art.

Form PCT/IPEA/409 (inith sheet) (July 1992)

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International Application No PCT/GB92/01416

VII. Certain defects in the internation application

The following defects in the form or contents of the international application have been noted:

Claim 8 does not comply with Rule 6.2(a) since it relies on a reference to the description and/or drawings.

Form PCT/IPEA/409 (seventh sheet) (July 1992)



INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file refere	nce	FOR FURTHER		f Transmittal of International Search Report 220) as well as, where applicable, item 5 below.
38.58483		ACTION	•	
International application No.		International filing date(day month year)	(Earliest) Priority Date (day/month/year)
PCT/GB92/01416		31/07/92	2	01/08/91
Applicant				
		_		
HAWKINS, Michael Ho	ward e	t al.		
This international search report according to Article 18. A cop	rt has been y is being	prepared by this Internati transmitted to the Internati	onal Searching Auth ional Bureau.	ority and is transmitted to the applicant
This international search repor		of a total of3 by of each prior art docume	sheets. ent cited in this repo	· t.
1. Certain claims were f	ound unsea	archable (see Box I).		
2. Unity of invention is	lacking (se	e Box II).		·
		ontains disclosure of a nucle I out on the basis of the se		acid sequence listing and the
		d with the international app		
	fur	nished by the applicant sep		
				e effect that it did not include international application as filed.
	Tra	anscribed by this Authority		
4. With regard to the title,	X the	text is approved as submit	ted by the applicant.	
The state of the date and	<u> </u>	text has been established b		· · · · · · · · · · · · · · · · · · ·
5. With regard to the abstrac		text is approved as submit	ted by the applicant	
				.2(b), by this Authority as it appears in
	Bo:	x III. The applicant may, we reh report, submit commen	vithin one month fro	m the date of mailing of this international
6. The figure of the drawings	to be nuh	lished with the abstract is:		
6. The figure of the drawings		lished with the abstract is:		None of the figures.
	X as		suggest a figure.	None of the figures.

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

The invention relates to an applicator for use on livestock such as cattle, sheep, deer and the like. The applicator includes at least two pivotedly connected handle members (2,3) which extend into upper and lower jaws (4,5). A driving means (14) comprising a five sided body portion and elongate tag engagement (16) means to which an ear tag can be attached which are pivotally connected to the upper jaw member (5). There is also provided a biasing means (12) which is in constant contact with one side of the body portion and is used in conjunction with a restraining means (7) to ensure that the tag engagement means (16) is maintained in a downwardly pointing "cocked" position during application of an ear tag. Upon insertion of the ear tag through the animal's ear, the tag engagement means (16) can be pivoted into a second "spent" position to facilitate easy detachment of the applicator from the ear tag. The orientation of the tag engagement means (16) being determined by the combined effect of the restraining means (7,11) biasing means (12) and load placed on the tag engagement means (16) itself.

International Applicati

I. CLASSIFICATION OF SUBJECT MATTER (if several classification symbols apply, indicate all)6

According to International Patent Classification (IPC) or to both National Classification and IPC

Int.C1. 5 A01K11/00

II. FIELDS SEARCHEI	П.	FIEI	DS.	SE	ARCI	HEI
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Minimum Documentation Searched7

Classification System Classification Symbols

Int.C1. 5

A01K ;

B25B

Documentation Searched other than Minimum Documentation to the Extent that such Documents are Included in the Fields Searched

III. DOCUMENTS CONSIDERED TO BE RELEVANT 9

Category °	Citation of Document, 11 with indication, where appropriate, of the relevant passages 12	Relevant to Claim No. ¹³
X	EP,A,O 004 221 (S.A. NOE ELEVAGE SERVICE) 19 September 1979 see claim 1; figures 1-4	1-4
х	US,A,4 402 320 (FILMER) 6 September 1983 see the whole document	1-4
x	US,A,4 368 735 (FILMER) 18 January 1983 see the whole document	1-4

- Special categories of cited documents: 10
- "A" document defining the general state of the art which is not considered to be of particular relevance
- earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or
- document published prior to the international filing date but later than the priority date claimed
- o'T' later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed inventioncannot be considered novel or cannot be considered to involve an inventive step.
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

IV. CERTIFICATION

Date of the Actual Completion of the International Search Date of Mailing of this International Search Report 23 OCTOBER 1992 1 2, 11, 92 Signature of Authorized Officer International Searching Authority **VON ARX V.U.** EUROPEAN PATENT OFFICE

- 「はるをして、日本の新地域が最近最近的ない。」「日本のでは、日本のではのでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、日本のでは、

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information. 23/10/92

Patent document cited in search report	Publication date		Patent family member(s)	:	Publication date
EP-A-0004221	19-09-79	FR-A-	2423152	16	5-11-79
US-A-4402320	06-09-83	US-A-	4368735	18	3-01-83
US-A-4368735	18-01-83	US-A-	4402320	06	5-09-83

International Application No

I. CLASSIFICATION OF S	UBJECT MA (if several classification s	symbols apply, indicate all)		
	Patent Classification (IPC) or to both National C	lassification and IPC		
INT.CI. 3 NOIKI	1700			
II. FIELDS SEARCHED				
- m-d- Simon	Minimum Docum	entation Searched		
Classification System		Classification Symbols		
Int.Cl. 5	A01K ; B25B			
		than Minimum Documentation are Included in the Fields Searched ⁸		
	DERED TO BE RELEVANT 9			
Category ° Citation	of Document, 11 with indication, where appropr	iate, of the relevant passages 12	Relevant to Claim No. ¹³	
19 S	,0 004 221 (S.A. NOE ELEV/ eptember 1979 claim 1; figures 1-4	AGE SERVICE)	1-4	
X US,A	US,A,4 402 320 (FILMER) 6 September 1983 see the whole document			
18 J	US,A,4 368 735 (FILMER) 18 January 1983 see the whole document			
	10			
considered to be of "E" earlier document be filling date "L" document which me which is cited to es citation or other sp "O" document referring other means	the general state of the art which is not particular relevance at published on or after the international asythrow doubts on priority claim(s) or tablish the publication date of another ecial reason (as specified); to an oral disclosure, use, exhibition or a prior to the international filing date but	"T" later document published after the interr or priority date and not in conflict with cited to understand the principle or theo invention "X" document of particular relevance; the cli cannot be considered novel or cannot be involve an inventive step "Y" document of particular relevance; the cli cannot be considered to involve an invent document is combined with one or more ments, such combination being obvious in the art.	the application but ry underlying the aimed invention considered to aimed invention tive step when the other such docu-	
later than the prior		"&" document member of the same patent fa	mily	
IV. CERTIFICATION		Date of Mailing of this International Sec	anh Remort	
	ion of the International Search ICTOBER 1992	1 2. 11. 92		
International Searching Aut	bority COPEAN PATENT OFFICE	Signature of Authorized Officer VON ARX V.U.		

This annex lists the patent family members relating to the patent documents cited in the above-mentioned international search report. The members are as contained in the European Patent Office EDP file on

The European Patent Office is in no way liable for these particulars which are merely given for the purpose of information. 23/10/92

Patent document cited in search report	Publication date	1	Patent family member(s)	Publication date
EP-A-0004221	19-09-79	FR-A-	2423152	16-11-79
US-A-4402320	06-09-83	US-A-	4368735	18-01-83
US-A-4368735	18-01-83	US-A-	4402320	06-09-83

Sheet No. .2....

PC GB 9 2 / 0 1 4 1 6

Box No. IV AGENT OR COMMO REPRESENTATIVE; OR ADDRESS FOR GERRESPONDENCE						
The person identified below is hereby/has been appointed to of the applicant(s) before the competent International Author	norities as: X agent Common representative					
Name and address: (Family name followed by given name; designation. The address must include po	for a legal entity, full official ostal code and name of country.) 071 836 6193					
_ ,	Fascimile No.					
Frank B. Dehn & Co., Imperial House,	071 240 0776					
15-19 Kingsway	Tolonian N					
London WC2B 6UZ	Teleprinter No.					
United Kingdom Mark this check-box where no agent or common re-	261620 presentative is/has been appointed and the space above is used instead to					
indicate a special address to which correspondence	should be sent.					
Box No.V DESIGNATION OF STATES						
The following designations are hereby made under Rule 4.90 Regional Patent	(a) (mark the applicable check-boxes; at least one must be marked):					
ES Spain, FR France, GB United Kingdom,	CH and LI Switzerland and Liechtenstein, DE Germany, DK Denmark, GR Greece, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, ontracting State of the European Patent Convention and of the PCT					
OA OAPI Patent: Benin, Burkina Faso, Cameroon Mali, Mauritania, Senegal, Togo, and any other	c. Central African Republic, Chad, Congo, Côte d'Ivoire, Gabon, Guinea, et State which is a member State of OAPI and a Contracting State of the a specify on dotted line)					
National Patent (if other kind of protection or treatment desired,						
X AT Austria						
X AU Australia						
X BB Barbados						
BG Bulgaria						
■ BR Brazil						
X CA Canada						
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S CS Czechoslovakia	RO Romania					
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<u> </u>	X SE Sweden					
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n addition to the designations made above, the applicant ander the PCT except the designation(s) of	lso makes under Rule 4.9(b) all designations which would be permitted					
The applicant declares that those additional designations are so before the expiration of 15 months from the priority date is to l	ubject to confirmation and that any designation which is not confirmed be regarded as withdrawn by the applicant at the expiration of that time specifying that designation and the payment of the designation and confirmation					



REQUEST

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International Application PCT/GB 9 2 / 0 1 4	1	6
International Filing Date 31 July 1992		~
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	International Filing Date	31 July 1992	1992
The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.	United Kingdom Patent Office PCT International Application Name of receiving Office and "PCT International Application"		
Applicant's or agent's file reference (if desired) (12 characters maximum) 38.58483			
Box No. I TITLE OF INVENTION			4 September
Ear tag applicator			0
Box No. II APPLICANT			1
Name and address: (Family rame followed by given name; for a designation. The address must include postal co	legal entity, full official ode and name of country.)	This person is also inventor.	
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New Zearana		Teleprinter No.	
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This person is applicant for the purposes of: all designated X all designated the United States		United States the States indicated in the Supplemental Box	add
Box No. III FURTHER APPLICANTS AND/OR (FURTH	ER) INVENTORS		M
Name and address: (Family name followed by given name: for designation. The address must include postal c	a legal entity, full official		1
I've man ess mass mestate postare	oue und name of country.)	This person is:	
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108 Waiatarua Road,		applicant and inventor	
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New Zealand		inventor only (If this check-box is marked, do not fill in below.)	
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		applicant only	-
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Further applicants and/or (further) inventors are indicated o	on a continuation sheet.		၂ တ
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